

Position Description (PD) for Yucca Mountain Lead Lab Activities

Position Description Number	YM009	
Creation Date of PD	6/30/06	
Job Title	Geochemist	
SNL Dept Name	YMP Repository Test and Analysis (Criticality)	
SNL Org Number (or TBD)	06855	
Number of Openings	2	
Description of Position	Define configuration and chemical and physical conditions of waste forms in the proposed YMP repository during pre and post-closure time frames consistent with Project design and post-closure FEP scenario to support nuclear criticality calculations. This will require conducting chemical and geochemical analyses to determine chemical composition of neutron absorbers, degraded waste package components, seepage water, both inside and outside the waste package. It will require predicting structural integrity or form of internal waste package components.	
Required Skills & Experience	Proficient at running EQ 3/6 or other geochemistry software. 2 years experience on YMP. Familiarity with YMP post-closure science technical basis.	
Desired Skills & Experience (if applicable)		
Required Education (Degrees & Levels)	B.Sc. or higher in Nuclear, Mechanical, Civil or Chemical engineering or the physical sciences.	
Desired Education (Degrees & Levels - if applicable)		
Full Time Position? (Y/N)	Y	
Job Requires lifting 35+ Pounds (Y/N)	N	
Desired Start Date	10/1/06	
Can this position accommodate...		
Part Time Employees? (Y/N)	Telecommuting? (Y/N)	Foreign Nationals? (Y/N)

Please Select All Related WBS Elements for this PD
(required for distributing PDs to contract providers for sourcing)

WBS Elements of 1.5.03		X
1.5.03.10	Neutronics (Criticality) - Licensing	X

Sand #: 2006-4508W